

Overview of Air Quality/Climate/Earth System Modeling Program at NCSU

Yang Zhang,

North Carolina State University

Abstract

Air quality and climate modeling research conducted at North Carolina State University (NCSU) spans from urban air pollution to regional/global climate changes. The focus is on atmospheric aerosols, their impacts on air quality, acid deposition, and visibility, as well as their interactions with climate change at all scales. This seminar will highlight major research activities and recent progress for air quality, climate, and Earth system modeling at NCSU. Results from several global and regional models such as CESM/CAM5, WRF/Chem, and WRF-CAM5 will be used to demonstrate the current capabilities and major challenges of air quality, climate, and Earth system modeling. Future research opportunities and directions will also be discussed.

Monday, June 23

3:15 p.m. Refreshments

3:30 p.m. – Seminar

FL2-1001, Small Auditorium